

Title (en)

SAW FOR VERTICALLY CUTTING MARBLE, GRANITE AND OTHER HARD STONES

Publication

EP 0011318 B1 19840523 (FR)

Application

EP 79200552 A 19791001

Priority

IT 8561878 A 19781026

Abstract (en)

[origin: EP0011318A2] 1. Saw for cutting in a vertical plane marbles, granites and other hard stones, with a fixed frame (1, 2, 3, 4) in the shape of a portico on which there moves an assembly comprising two pulleys (6, 7) with vertical axis between which there is maintained under tension a movable endless cutting band (8) provided with small diamond bearing blocks, the pulleys (6, 7) being each mounted on a movable carriage (5) capable of moving along guides (23, 25) fast with said fixed frame, with pushing means (26, 27) for keeping said band (8) under tension during working, characterised in that the pulleys (6 and 7) forming supports for the cutting band (8) are each mounted at the interior of a fluid-tight housing (39, 40) permitting said pulleys (6, 7) to rotate in a bath of water serving to provide the cooling and the cleaning of said band (8) during the course of working, the two housings (39, 40) being coupled hydraulically one to the other by a tube of telescopic nature which permits adjustment of the tension of the band and at the interior of which the endless band moves, the band being thus cooled at its portion opposite to that which is carrying out the cut and being satisfactorily protected at said portion.

IPC 1-7

B28D 1/08

IPC 8 full level

B23D 55/08 (2006.01); **B28D 1/08** (2006.01)

CPC (source: EP)

B23D 55/082 (2013.01); **B28D 1/086** (2013.01); **Y02P 40/00** (2015.11)

Cited by

US5271306A; ITMI20130413A1; FR2610857A1; US5301586A; US5408910A; DE102021102379B3; EP4074446A2

Designated contracting state (EPC)

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EP 0011318 A2 19800528; **EP 0011318 A3 19800806**; **EP 0011318 B1 19840523**; AT E7580 T1 19840615; DE 2967007 D1 19840628; ES 484905 A1 19800401; GR 73582 B 19840321; IT 1111339 B 19860113; IT 7885618 A0 19781026

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